



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 09/02/2020	EPA Reg No./File Symbol 42750-GTE	Page 1 of 10			
Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 th Street Ankeny, IA 50021	Product Lambda Cyhalothrin Technical				
Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.1550	Product Identity and Composition	50850203	Albaugh	OWN	
830.1600	Description of Materials Used to Produce the Product	50850203	Albaugh	OWN	
830.1620	Description of Production Process	50850203	Albaugh	OWN	
830.1650	Description of Formulation Process				Not req'd ²
830.1670	Description of Formation of Impurities	50850203	Albaugh	OWN	
830.1700	Preliminary Analysis	50850204	Albaugh	OWN	
830.1750	Certified Limits	50850203	Albaugh	OWN	
830.1800	Enforcement Analytical Method	50850204	Albaugh	OWN	
830.6302	Color	50850202	Albaugh	OWN	
830.6303	Physical State	50850202	Albaugh	OWN	
830.6304	Odor	50850202	Albaugh	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	50850202 51183602 51258501	Albaugh	OWN	Waiver ²
830.6314	Oxidation/Reduction: Chemical Incompatibility	51183601	Albaugh	OWN	
830.6315	Flammability				Not req'd ¹
830.6316	Explosibility				Not req'd ¹
830.6317	Storage Stability	51183602	Albaugh	OWN	

Signature 	Name and Title Ailis Gregory Regulatory Manager, North America	Date 09/02/2020
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Applicant's/Registrant's Name & Address Albaugh, LLC 1525 NE 36 th Street Ankeny, IA 50021	Product Lambda Cyhalothrin Technical				
Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.6319	Miscibility				Not req'd ¹
830.6320	Corrosion Characteristics	51183602	Albaugh	OWN	
830.6321	Dielectric Breakdown Voltage				Not req'd ¹
830.7000	pH	50850202	Albaugh	OWN	
830.7050	UV/Visible Absorption			LIT	
830.7100	Viscosity				Not req'd ¹
830.7200	Melting Point/Melting Range	50850202	Albaugh	OWN	
830.7220	Boiling Point/Boiling Range				Waiver ³
830.7300	Density/Relative Density/Bulk Density	50850202	Albaugh	OWN	
830.7370	Dissociation Constants in Water			LIT	
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Waiver ⁴
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				Waiver ⁴
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography			LIT	
830.7840	Water Solubility: Column Elution Method; Shake Flask Method			LIT	

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Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

830.7860	Water Solubility, Generator Column Method				Waiver ⁵
830.7950	Vapor Pressure			LIT	
870.1100	Acute Oral Toxicity – Rat	CITE ALL		PAY	
870.1200	Acute Dermal Toxicity - Rat	CITE ALL		PAY	
870.1300	Acute Inhalation Toxicity - Rat	CITE ALL		PAY	
870.2400	Primary Eye Irritation - Rabbit	CITE ALL		PAY	
870.2500	Primary Dermal Irritation	CITE ALL		PAY	
870.2600	Dermal Sensitization	CITE ALL		PAY	
810.2100	Sterilants, Sporicides, and Decontaminants	CITE ALL		PAY	
810.2200	Disinfectants for Use on Environmental Surfaces	CITE ALL		PAY	
810.2300	Sanitizers for Use on Hard Surfaces	CITE ALL		PAY	
810.2400	Disinfectants and Sanitizer for Use of Fabrics and Textiles	CITE ALL		PAY	
810.2500	Air Sanitizers	CITE ALL		PAY	
810.2600	Disinfectants and Sanitizer for Use in Water	CITE ALL		PAY	

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Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

810.2700	Products with Prion-Related Claims	CITE ALL		PAY	
810.3100	Soil Treatments for Imported Fire Ants	CITE ALL		PAY	
810.3200	Livestock, Poultry, Fur- and Wool-Bearing Animal Treatment	CITE ALL		PAY	
810.3300	Treatments to Control Pests of Humans and Pets	CITE ALL		PAY	
810.3400	Mosquito, Black Fly, and biting Midge (Sand Fly) Treatments	CITE ALL		PAY	
810.3500	Premises Treatments	CITE ALL		PAY	
810.3600	Structural Treatments	CITE ALL		PAY	
810.3700	Insect Repellents to be Applied to Human Skin	CITE ALL		PAY	
810.3800	Methods for Efficacy Testing of Termite Baits	CITE ALL		PAY	
810.3900	Laboratory Product Performance Testing Methods for Bed Bug Pesticide Products	CITE ALL		PAY	

Albaugh will make offers-to-pay to the following companies that appear on the current data submitters list for lambda cyhalothrin:

Lambda cyhalothrin Generic Data	Cite-All		Bonide (4)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Syngenta (100)	PAY	

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Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Lambda cyhalothrin Generic Data	Cite-All		Nufarm Americas (228)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Scotts (239)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Bayer (264)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		FMC (279)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Macdermid Agricultural Solutions, Inc. (400)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		BASF (499)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Intervet (773)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		McLaughlin Gormley King (1021)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Pacific Chemical (4389)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		SC Johnson (4822)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Helena (5905)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		JR Simplot (8917)	PAY	

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Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Lambda cyhalothrin Generic Data	Cite-All		Chemsico (9688)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Syngenta (10182)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Adama Makhteskim (11678)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Drexel (19713)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Nufarm Ltd (35935)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Control Solutions (53883)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Valent (59639)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Sipcam Agro (60063)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Dow Agrosciences (62719)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Management Contract (63823)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Jesmond (64321)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Pyrethroid Working Group (64977)	PAY	

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Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Lambda cyhalothrin Generic Data	Cite-All		Makhteshim Agan (Adama) (66222)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		SDTF (66607)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Certis USA (70051)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		UPL NA (70506)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		ISK (71512)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		LG Chem (71532)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		ORETF (71754)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		ARTF (71755)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Non-Dietary Exposure Task Force (NDETf) (73223)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		FIFRA ESTF (73989)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Helm Agro (74530)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		REJV (74888)	PAY	

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Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Lambda cyhalothrin Generic Data	Cite-All		AHETF (75234)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Winfield (83222)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		GAT (84575)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		GESTF (84653)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Arcana (84930)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Kaizen (86363)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		TF Holdings (86461)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Select Source (86869)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Willowood, LLC(87290)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Agromarketing Co. Inc. (87845)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Smartvet USA (88050)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Willowood Lambda Cyhalothrin, LLC (88541)	PAY	

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Ingredient Lambda cyhalothrin CAS # 91465-08-6					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Lambda cyhalothrin Generic Data	Cite-All		Liberty Crop (89168)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Central Garden (89459)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Council Advancement Pyrethoid (89813)	PAY	
Lambda cyhalothrin Generic Data	Cite-All		Extremis (91127)	PAY	

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Footnote 1

- 830.1650 Formulation Process
- 830.6315 Flammability
- 830.6316 Explodability
- 830.6319 Miscibility
- 830.6321 Dielectric Breakdown
- 830.7100 Viscosity

This data is not required for TGA products per Product Properties Test Guidelines OPPTS 830.1000 (e)(2)(xi)(B) Table 2.

Footnote 2

- 830.6313 Stability to normal and elevated temperatures, metals, and metal ions. Albaugh requests a waiver for the stability to metals and metal ions. Lambda Cyhalothrin Technical is packaged in polyethylene drums or fiber drums. It is not expected to come in contact with either metals or metal ions.

Footnote 3

- 830.7220 Boiling Point. Albaugh requests a waiver for this data requirement. Lambda Cyhalothrin Technical is not a liquid.

Footnote 4

- 830.7550 Partition Coefficient, Shake Flask Method
- 830.7560 Partition Coefficient, Generator Column Method

Albaugh requests a waiver for these data requirements. Albaugh elected to use Guideline 830.7570 to satisfy this data requirement.

Footnote 5

- 830.7860 Water Solubility. Albaugh requests a waiver for this data requirement. Albaugh elected to use Guideline 830.7840 to satisfy this data requirement.